



COAL AND GREENHOUSE GAS (GHG) EMISSIONS, AUSTRALIA, 2007

Tables 1 and 2 below show in Carbon Dioxide Equivalent (CO₂-e) terms:

1. Coal's total contribution to Australia's net GHG emissions alongside other broad sector emissions, followed by:
2. Coal's contribution to Australia's net GHG emissions, disaggregated by Sector/Subsector.

1. Broad sector contributions (CO ₂ -e)	2006	2007	2006	2007
Sector	(000 tonnes)	(000 tonnes)	% of Natnl	% of Natnl
1. Energy	400,104	408,163	67.1	68.4
2. Industrial Processes	29,387	30,343	4.9	5.1
Total - of which:	429,490	438,506	72.0	73.4
Coal (see Table 2.)	218,080	220,243	36.6	36.9
Other fuels	211,411	218,263	35.4	36.6
3. Agriculture	90,798	88,106	15.2	14.8
4. Land Use, Land-Use Change and Forestry	61,669	55,978	10.3	9.4
5. Waste	14,182	14,567	2.4	2.4
Total Net National GHG Emissions	596,140	597,157	100.0	100.0

Comments:

Energy and Industrial Processes contributed to almost three-quarters of Australia's total net GHG emissions.

Coal contributed to about half of these emissions (37%), with oil, gas and other fuels, the other half (nearly 37%).

The other major contributor was Agriculture (15%) with Land Use, etc, and Waste making up the remainder (12%).

2. Coal's contribution (CO ₂ -e)	2006	2007	2006	2007
Sector/Sub-sector	(000 tonnes)	(000 tonnes)	% of Natnl	% of Natnl
Energy Industries	183,437	182,373	30.8	30.5
Public Electricity and Heat Production	181,434	180,411	30.4	30.2
Manufacture of Solid Fuels	2,003	1,962	0.3	0.3
Manufacturing Industries and Construction	10,352	10,484	1.7	1.8
Iron and Steel	792	807	0.1	0.1
Non-Ferrous Metals	4,164	4,407	0.7	0.7
Chemicals	203	203	0.0	0.0
Pulp, Paper and Print	1,106	1,053	0.2	0.2
Food Processing, Beverages and Tobacco	796	805	0.1	0.1
Other	3,291	3,208	0.6	0.5
Transport	482	464	0.1	0.1
Navigation	482	464	0.1	0.1
Other Sectors	89	89	0.0	0.0
Commercial / Institutional	80	80	0.0	0.0
Residential	9	9	0.0	0.0
Coal Combustion Emissions, Total	194,360	193,410	32.6	32.4
Coal Fugitive Emissions	23,720	26,832	4.0	4.5
Underground mines	14,918	16,754	2.5	2.8
Open-cut mines	8,028	8,341	1.3	1.4
Decommissioned mines	773	1,737	0.1	0.3
Coal Emissions, Total	218,080	220,243	36.6	36.9

Comments:

Coal's share of total net national emissions was 37%, or about half of Australia's energy and industrial emissions, with: Electricity generation 30.2%, Fugitive Emissions from Mining 4.5% and, Manufacturing and other, 2.2% .

Source: AGEIS - Australian Greenhouse Emissions Information System - Department of Climate Change.

<http://www.climatechange.gov.au/inventory/index.html>